	Application No.	Applicant(s)	
Notice of Allowability	10/811,866	MARATHE ET AL.	
	Examiner	Art Unit	- A
	Thanh T. Nguyen	2813	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT (of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport of the communication GHTS. This application is subject to	plication. If not included will be mailed in due cou	urse. THIS
1. This communication is responsive to <u>9/29/05</u> .			
2. X The allowed claim(s) is/are 11-18.			
 Acknowledgment is made of a claim for foreign priority una)	been received. been received in Application No cuments have been received in this	national stage application	
4. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath or declara		ΓICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) including changes required by the Notice of Draftsperson	on's Patent Drawing Review (PTO-	948) attached	
1) hereto or 2) to Paper No./Mail Date		> c	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			nak) of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			ick) of
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 			e the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 7. Examiner's Amenda 8. Examiner's Statema 9. Other	(PTO-413), te <i>⊴26682</i> ment/Comment	

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Applicant's election of group II, claims 11-18 in the reply filed on 6/29/05 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

This application is in condition for allowance except for the presence of claims 1-10 non-elected without traverse. Accordingly, claims 1-10 have been cancelled.

The following is an examiner's statement of reasons for allowance:

Claims 11-18 are allowed because none of the prior art alone or in combination teaches or suggests the particular subset of the process steps in forming a composite barrier layer α -Ta over the TaN with an exposed surface having average surface roughness of about 25-50 angstroms lining the opening.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Art Unit: 2813

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Nguyen whose telephone number is (571) 272-1695, or by Email via address Thanh.Nguyen@uspto.gov. The examiner can normally be reached on Monday-Thursday from 6:00AM to 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr., can be reached on (571) 272-1702. The fax phone number for this Group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pairdirect.uspto.gov. Should you have questions on access to thy Private PAIR system, contact the Electronic Business center (EBC) at 866-217-9197 (toll-free).

Thanh Nguyen
Patent Examiner

Patent Examining Group 2800